JPRS-UFM-88-007 8 JULY 1988



# JPRS Report

# **Soviet Union**

# **FOREIGN MILITARY REVIEW**

TABLE OF CONTENTS

JPRS-UFM-87-001, 13 JULY 1987 
JPRS-UFM-87-008, 29 DECEMBER 1987

13 JULY 1987

Soviet books and journal articles displaying a copyright notice are reproduced and sold by NTIS with permission of the copyright agency of the Soviet Union. Permission for further reproduction must be obtained from copyright owner.

## SOVIET UNION FOREIGN MILITARY REVIEW

No 11, November 1986

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

GENERAL MILITARY PROBLEMS
'Neoglobalism' and U.S. State Terror in Action (pp 3-8) (R. Naumov)1
In the Spirit of Militarism and Anti-Communism (pp 9-13) (V. Solovyov) (not translated)
U.S. Topographic Maps (pp 13-16) (A. Zubenko)9
GROUND FORCES
U.S. Army Combat Support Principles (pp 17-20) (L. Sorochenko)
Anti-Tank Mines (pp 20-28) (N. Zhukov)22
Equipping British Army with New Infantry Weapons (pp 28-29) (S. Anzherskiy)(not translated)
FRG AirBorne Division (pp 29-30) (V. Lyudchik)(not translated)

#### AIR FORCES

French Air Force (pp 31-38) (P. Ivanov)30
Capitalist Countries' Training/Training-Combat Aircraft (pp 38-44) (Yu. Alekseyev)40
Italian-Brazilian AMX Tactical Fighter (pp 44-46) (V. Kuzmin)(not translated)
FRG Air Force Third Technical School (pp 46-48) (L. Konstantinov)(not translated)
NAVAL FORCES
United States Maritime Strategy (pp 49-53) (V. Chertanov)
U.S. Navy Ship Tactics with TACTASS System (pp 53-55) (V. Surnin)
Measures to Increase Jam Resistance of Shipboard Radioelectronic Systems (pp 56-60) (N. Lobanov, A. Stefanovich)
Japanese Navy Guided Missile Frigates (pp 60-62) (Yu. Yurin)
MILITARY ECONOMICS, INFRASTRUCTURE
The British Navy Warship Construction and Ship Repair Base (pp 63-69) (M. Tsiporukha)72
Arabian Peninsula Countries' Pipeline Systems (pp 69-74) (A. Kazakov)82
Airfields for the Space SHUTTLE (p 74) (V. Andreyev)(not translated)
INFORMATION, EVENTS, FACTS
West German Combat Vehicle WEASEL (p 75) (E. Viktorov)90
The New Italian Guided Missile Destroyer (p 76) (S. Vladimirov)92
The English HAWK-200 Aircraft (pp 76-77) (V. Utkin)94

The	Swedish	STOCKHOLM-Class	PGM	(pp	77-78)	
	(S. Mon	rekhod)				 96

Chilean Armored Personnel Carrier (p 78)
(N. Fomich)(not translated)

FOREIGN MILITARY CHRONICLE (pp 79-80)
(not translated)

#### COLOR INSERTS

French MIRAGE-4P Medium Range Strategic Bomber \* Chilean Wheeled (6x6) VTP-1 Armored Personnel Carrier \* British L85A1 5.56-mm Automatic Rifle and the L86A1 Light Machine Gun \* Swedish PGM K11 STOCKHOLM

## SOVIET UNION FOREIGN MILITARY REVIEW

#### No 12, DECEMBER 1986

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

Lead Editorial: Editorial Addresses Questions on Restructuring Ideological Work (pp 3-6)
GENERAL MILITARY PROBLEMS
ASEAN in U.S. Asian-Pacific Policies (pp 7-11) (I. Volgin)
The Turkish Armed Forces (pp 11-18) (V. Burlyayev)13
GROUND FORCES
Central U.S. Army Support Organizations (pp 19-23) (S. Semyonov)23
Improving Ammunition for Infantry Weapons (pp 23-27) (A. Cheklayev) (not translated)
Field Kitchens (pp 27-30) (E. Vasilyev) (not translated)
Equipping Australian Ground Forces with New Infantry Weapons (p 32) (V. Titov) (not translated)

Handbook Data - West German Mountain Division (pp 33-34)29
Taiwanese Air Forces (pp 35-40) (V. Samsonov) (not translated)
Direct Air Support Aircraft (pp 40-47) (B. Ivanov)
F-20 TIGERSHARK Tactical Fighter (pp 47-49) (V. Uykin)40
Employing Computers in the Royal Airforce for Professional Selection (p 50) (V. Elin) (not translated)
NAVAL FORCES
The Spanish Navy (pp 51-57) (S. Vladimirov)
Aircraft Carriers (pp 57-62) (Yu. Petrov)53
NATO Joint Exercise NORTHERN WEDDING-86 (pp 63-65) (V. Khomenskiy)63
French Navy Shipboard Electronic Warfare Systems (pp 66-70) (F. Voroyskiy, N. Portala)
MILITARY ECONOMICS, INFRASTRUCTURE
Austrian Military Production (pp71-77) (M. Leontyev)76
Alaska (A military-Geographical Description) (pp 77-82) (N. Shakhovtsyev)84
Danish Civil Defense (pp 83-88) (V. Emelyanov)92
INFORMATION, EVENTS, FACTS
South Korean Guided Missile Frigates (pp 89-90) (Yu. Yurin)99
British Engineer Support Vehicle (p 90) (N. Zhukov) (not translated)

Bundeswehr	Inspector General (p 90) (not translated)
FOREIGN MILI	TARY CHRONICLE (pp 91-92)102
INDEX OF JOU	JRNAL ARTICLES IN 1986 (pp 93-96)108

## SOVIET UNION FOREIGN MILITARY REVIEW

No 1, January 1987

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

Editorial on the 69th Anniversary of the Soviet Army and Navy: GLORY TO THE FATHERLAND, PRIDE OF THE PEOPLE (pp 3-6)1
GENERAL PROBLEMS, ARMED FORCES
USA: Stake in Military Supremecy (pp 7-12) (Yu. Lebedev)
Israeli ArmyInstrument of Genocide and Piracy (pp 13-18) (A. Yakovlev)
Strength of Foreign States' Armed Forces (pp 18-20) (G. Petrukhin)25
GROUND FORCES
Bundeswehr Armored Division on the Defense (pp 21-27) (A. Egorov)29
British Armor Equipment (pp 27-34) (N. Fomich)38
European NATO Countries' Ground Forces' TO&E (pp 35-38)

### AIR FORCES

The Appearance of the Future Fighter (pp 39-47)	
(L. Andreyev)	51
Hodernization of U.S. Air Force Tactical Aircraft (pp 47-51)	
(G. Isayev)	63
TO&E of NATOCountries'Air Forces (pp 51-56)	
(V. Sibiryakov)	69
NAVAL FORCES	
Battleships and Their Combat Employment (pp 57-62)	
(L. Vasyukov, P. Lapkovskiy)	79
Sonar Systems for Search and Destruction of Mines (pp 62-66)	
(A. Prostakov)	86
New U.S. Marine Corps Helicopter (p 66)	
(I. Karenin)	92
Fighting Strength of NATO Countries' Navies (pp 67-72)	
(V. Afanasyev, Yu. Kravchenko)	93
MILITARY ECONOMICS, INFRASTRUCTURE	
The Military-Economic Aspects of the 'StarWars' Program (pp 73-81)	
(A. Kireyev)1	02
France (A Military-Geographic Description) (pp 81-89)	
(N. Voronov, A. Isayev)1	15
Using Subways for Population Shelters (pp89-90)	
(G. Germanov)1	27
INFORMATION, EVENTS, FACTS	
Swedish FY 1986/87 Military Expenditures (p 91)	
(Yu. Shitov) (not translated)	
American Elongated Mine Clearing Charge (pp 91-92)	
(N. Zhukov)1	30
Program to Hodernize Canadian Destroyers (pp 92-93)	

British	Civil De	fense	Observaton	Posts	PP	93-94)
(V.	Emelyane	ov)				

New Designations in the FRG Armed Forces (p 94) (not translated)

FOREIGN MILITARY CHRONICLE (pp 95-96) (not translated)

#### COLOR INSERTS

American EF-111A RAVEN EW aircraft \* British self-propelled MILAN anti-tank guided missile launcher \* ADATS multiple target missile COMPLEX \* French RUBIS S601 nuclear submarine

# SOVIET UNION FOREIGN MILITARY REVIEW

No 2, February 1987

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

Towards the 70th Anniversary of Great October	
Leninist Unity of Party and People (pp 3-6) (not translated)	
General Problems, Armed Forces	
U. S. Reliance on Nuclear War (pp 7-14)	
(I. Perov)	1
The Iran-Iraq Conflict (pp 14-19)	
(I. Guryanov)	11
Outposts of Aggression and Israeli Expansion (pp 19-22)	
(Yu. Sedov)	19

#### Ground Forces

Military Training in the U. S. Army (pp 23-28)	
(Yu. Groshev)	26
Salvo Fire Rocket Systems (pp 28-33)	
(M. Regentov)	34
Multi-Purpose ADATS Missile System (pp 33-35)	
(V. Viktorov)	41
Composition of the Ground Forces of Certain Capitalist Countries (Excluding the NATO Countries) (pp 36-38) (V. Titov) (not translated)	
Basic Tactical Norms of U. S. Army Elements (pp 39-40)	45
Air Forces	
Training of Reservists for FRG Air Force (41-44)	
(S. Vasilyev)	50
Forces and Resources for Ground Defense of U. K. Air Force Airfields (pp 44-47)	
(V. Artemyev, L. Konstantinov)	55
U. S. Research on Aerodynamic Configurations for a 'Slanted' Wing Aircraft (pp 47-49)	
(N. Ivanov)	60
New American Guided Missile (pp 50-51)	
(V. Kirsanov)	65
Missile Warheads for Destroying Air Targets (pp 52-55)	
(A. Belov)	69
Mirage-4R Bombers in French Air Force (p 55)	
(I. Karenin)	76
Composition of the Air Forces of Certain Capitalist Countries (Excluding the NATO Countries) (pp 56-58) (V. Zabolotnyy) (not translated)	
Naval Forces	
Naval Forces of the Kuomintang Government in Taiwan (pp 59-63) (Yu. Charushnikov) (not translated)	
Reorganization of Japanese Navy Minesweeping Forces (pp 63-64)	
(Yu. Yurin)	78
Radio Electronic Equipment of U. S. Navy Shore Command and Control Centers (pp 65-68)	
(A. Markov)	81

(Yu. Petrov)	87
Expansion of the U. S. Navy Hospital Base (p 73) (N. Sterkin) (not translated)	
Ships the Navies of Certain Capitalist Countries (Excluding the NATO Countries) (pp 74-76) (Yu. Kravchenko) (not translated)	
Military Economy and Infrastructure	
Canada's Military Industry (pp 77-82) (I. Leonidov, N. Nikolayev) (not translated)	
Financing U. S. Military Exports in the 1980s (pp 82-86) (Yu. Malkov, A. Zinchenko)	93
Airfield Network of the ASEAN Countries (pp 87-91)	
(V. Samsonov)	100
FRG Military Expenditures in 1987 (pp 91-92) (Yu. Shitov) (not translated)	
Reports, Events and Facts	
New American Romber (p 93) (V. Yurtsev)	108
New Ship Gas Turbine Engines (pp 93-94) (Yu. Shipov) (not translated)	
FRG 'Wildcat' Self-Propelled Anti-Aircraft System (p 94) (N. Fomich)	110
Foreign Military Chronicle (pp 95-96) (not translated)	
Colored Insets:	
* FRG 'Wildcat' SP AA System  "Hayou" Class Missile Patrol Boats  British Mark-8 General Purpose Turreted Single Gun Artillery Mount  French Mirage-2000N Fighter-Bomber	

#### PUBLICATION DATA

English title : FOREIGN MILITARY REVIEW No 2, February 1987 Russian title : ZARUBEZHNOYE VOYENNOYE OBOZRENIYE Author (s) t I. I. Burgov and others Editor (s) Publishing house : Izdatelstvo "Krasnaya zvezda" Place of publication : Moscow Date of publication : February 1987 Signed to press t 3 February 1987

Copies

COPYRIGHT

1987.

: "Zarubezhnoye voyennoye obozreniye",

# SOVIET UNION FOREIGN MILITARY REVIEW

No 3, March 1987

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

GENERAL PROBLEMS, ARMED FORCES	
Dislocation of Troop Control, (According to the Views of U.S. and NATO Specialists (pp 3-8) (V. Tamanskiy)	1
Religious and Ideological Brainwashing in Iran's Armed Forces (pp 8-14) (O. Cherneta) (not translated)	
The United States Is in Violation of the Biological Convention (pp 15-18) (P. Akimov)	10
Top Leaders Shuffled in Turkish Armed Forces (p 18) (A. Rozov) (not translated)	

#### LAND FORCES

Combat Use of NATO Airborne and Air Assault Troops (pp 19-25) (L. Levalov and V. Kholmogorov)	16
Dealing with Low-Flying Targets (pp 25-32)	
(A. Tolin)	25
AIR FORCES	
Great Britain's Air Force (pp 33-39)	
(V. Artemyev)	34
Sweden's Gripen Tactical Fighter (40-42)	
(V. Ruzmin)	4:
French Guided Aviation Weapons (42-45)	
(V. Dmitriyev)	46
U.S. Project for Air-Space Aircraft (pp 45-46) (Yu. Okunev) (not translated)	
NAVAL FORCES	
Reserve Training for the U.S. Naval Air Forces (pp 47-53) (M. Pavlov) (not translated)	
Navigational Aids for U.S. Submarines in the Arctic (pp 54-57)	
(V. Mikhaylov and N. Frolov)	51
Underwater Acoustooptic Imaging Systems (pp 57-59)	
(V. Chulkov and A. Skuratovskiy)	57
Reequipping the Japanese Navy with Coastal Patrol Aircraft (pp 59-60)	
(Yu. Yurin)	60
MILITARY ECONOMICS, INFRASTRUCTURE	
U.S. and NATO Military Facilities on Turkish Territory (pp 61-66)	
(A. Gornostalev)	62
Production of Armored Equipment in France (66-73)	
(N. Voronov and A. Isayev) (not translated)	
Deployment of the GWEN Radio Communication Network (pp 73-74)	
(V. Mitrich)	70

INFORMATION, EVENIS, FACIS
New Guided Missile Frigates for Turkish Navy (p 75) (V. Afanasyev) (not translated)
The U.S. MIA1 ABRAMS tank (p 76) (N. Fomich) (not translated)
A South Korean Infantry Combat Vehicle (p 76) (Ye. Viktorov) (not translated)
A U.S. Urmanned Drone (pp 76-77) (V. Mishukov)
A New Method of Using Sonobuoys To Search for Submarines (pp 77-78) (A. Prostakov)
New Appointments in the Greek Armed Forces (p 78) (not translated)
FOREIGN MILITARY NEWS (pp 79-80)
COLOR INSERTS
The U.S. MIA1 ABRAMS tank; the Shackleton AEW.2 long-range radar aircraft; Sweden's SAAB-105 light ground-attack aircraft; the U.S. aircraft carriers JOHN F. KENNEDY

#### PUBLICATION DATA

English title : FOREIGN MILITARY REVIEW,

No 3, 1987

Russian title : ZARUBEZHNOYE VOYENNOYE OBOZRENIYE

Editor : I.I. Bugrov

Publishing House : Voyenizdat

Place of publication : Moscow

Date of publication : March 1987

Signed to press : 5 March 1987

COPYRIGHT : "Zarubezhnoye voyennoye obozreniye", 1987

# SOVIET UNION FOREIGN MILITARY REVIEW

No 4, April 1987

[Except where indicated otherwise in the table of contents the following is a complete translation of the Russian-language monthly journal ZARUBEZHNOYE VOYENNOYE OBOZRENIYE published in Moscow by the Ministry of Defense.]

THE COURSE OF THE 27TH CPSU CONGRESS	
Restructuring and Party Personnel Policies (pp 3-6) (Editorial)	
GENERAL HILITARY ISSUES	
France's Rapid Deployment Forces (pp 7-12) (A. Vasilyev)	1
Ideological Indoctrination in Turkey's Armed Forces (pp 12-15) (S. Bagdasarov) (not translated)	
Sweden's System of 'Psychological Readiness' (pp 15-16)	

#### GROUND FORCES

Japan's Ground Forces (pp 17-22)	
(F. Vladin)	13
Hotorized Rifle Battalion of U.S. Mechanized (Armor) Division (pp 22-23)	
(I. Aleksandrov)	19
A	
American RS30 MLRS (pp 23-25) (M. Regentov)	22
France's Mistral Guided Missile System (pp 26-28) (V. Viktorov)	26
(V. VIRLOPOV)	26
AIR FORCES	
United States Air Force Tactical Air Command (pp 29-36)	
(V. Grebeshkov)	30
Tornado Multi-Purpose Tactical Fighter (pp 36-40)	
(Yu. Alekseyev)	40
West German Cluster Bomb (pp 41-43)	
(I. Chistyakov)	49
Improvements in American Early Warning Satellites (p 44)	
(V. Dovbishchuk)	53
NAVAL FORCES	
Organization of Command and Control in the Amphibious Assault	
Operation (pp 45-52)	55
(V. Mosalev)	33
Nuclear Power Reactors on British Submarines (pp 52-56)	
(G. Stasov)	66
Contact Minesweepers (pp 56-58)	
(S. Usov, A. Kolpakov)	74
MILITARY ECONOMICS AND INFRASTRUCTURE	
Brazil's Hilitary Industry and Arms Exports (pp 59-66)	
(V. Andreyev) (not translated)	
RS30 Production in Western Europe (pp 66-67)	70
(Yu. Shangin)	79
Pakistan: A Hilitary-Geographic Overview (pp 68-74)	
14 0 14.1	81

REPORTS.	PACTS	AMD	PUPMTS
MPLOMID.	LWCID	MILL	PAPMIS

- France's LeClerc Tank (p 75)
  (Ye. Viktorov) (not translated)
- Reserve Helicopter Squadrons of Norway's Air Force (pp 75-76)
  (V. Utkin) (not translated)
- Israel's 'Pioneer' Unmanned Aircraft (pp 76-77)
  (I. Hironov) (not translated)
- New Italian Cluster Bomb (p 77)
  (I. Karenin)......

92

- Deicing Foam (pp 77-78)
  (V. Elin) (not translated)
- Information on Austria's Defense Minister (p 78)
  (Unattributed) (not translated)
- FOREIGN MILITARY NEWS ITEMS (pp 79-80) (not translated)

#### COLOR PLATES

British Tornado-GR.1 Tactical Fighter \* French Mistral Self-Propelled Guided Missile System \* Japanese '64' Anti-Tank Rocket Systems \* French R98 Clemenceau Aircraft Carrier

#### PUBLICATION DATA

English title

: FOREIGN MILITARY REVIEW, No 4, 1987

Russian title

: ZARUBEZHNOYE VOYENNOYE OBOZRENIYE

Author (s)

:

Editor (s)

: I. I. Bugrov

Publishing house

: Krasnaya zvezda

Place of publication

: Moscow

Date of publication

: April, 1987

Signed to press

: 3 April, 1987

Copies

:

COPYRIGHT

: "Zarubezhnoye voyennoye obozreniye", 1987

# **Soviet Union**

## Foreign Military Review No 6, June 1987

JPRS-UFM-87-008

## CONTENTS

**29 DECEMBER 1987** 

NATO Military Strategy—An Implement of Imperialism's Aggressive Policy [V. Stroginov]
"Heavy" Ground Troop Divisions of the USA [K. Volodin]
Infantry Battalion of the U.S. Light Infantry Division [1. Aleksandrov]
U.S. Air Force Reserves [V. Grebeshkov]
Training of Air Crews for the French Air Force [P. Ivanov]
English Experimental Fighter [N. Nikolayev]
American Aircraft ECM Resources [S. Leonov, V. Bogachev]
Combat Operations at Sea and the Problems of Early Warning [1. Khurs]
Air-Delivered Sonobuoys [A. Bryukhov, A. Borodavkin]
French Syracuse Satellite Communication System [A. Stefanovich]
Sabotage Device Disposal Equipment [V. Mosalev]
Draft U.S. Military Budget for 1988 and 1989 Fiscal Years [Ye. Zubrov, V. Yefremov]
Civil Defense in NATO's System of Military Preparations [V. Goncharov]
Air Traffic Control Service Directorate of the French Air Force [V. Vovk]
New French Panther Helicopter [1. Chistyakov]
Bomb Shelter in the London Underground [V. Yemelyanov]
Articles Not Translated from ZARLIBEZHNOVE VOYENNOVE OBOZRENIVE No.6. Jun 87 50



# END OF FICHE DATE FILMED

15, Aug. 1988